

WHAT IS CLAIMED IS:

1. A vehicle heat exchanger comprising:

heat exchangers overlapped with each other in an airflow direction,

5 the heat exchangers comprising:

heat exchanger tubes arranged side by side with each other;

outer fins interposed between neighboring heat exchanger tubes; and

10 header pipes connecting and communicating with both ends of the heat exchanger tubes for heat-conducting media to circulate through the heat exchanger tubes and header pipes; and

a reservoir in communication with one of the header pipes for reserving a heat-conducting medium and being fixed to a header
15 pipe of the largest one of the heat exchangers.

2. The vehicle heat exchanger of claim 1,

wherein the heat exchangers comprise two different sized heat exchangers,

20 wherein a larger heat exchanger of the heat exchangers serves as a radiator configured to cool an engine-coolant water as a heat-conducting medium,

wherein a smaller heat exchanger of the heat exchangers serves as a condenser configured to cool a refrigerant as a
25 heat-conducting medium,

wherein an airflow circulates from the condenser to the

radiator,

wherein the reservoir is fixed to a header pipe of the radiator.

- 5 3. The vehicle heat exchanger of claim 1,
wherein the reservoir is located at the back of an intake of
the frontmost one of the heat exchangers.
4. The vehicle heat exchanger of claim 1,
10 wherein the neighboring heat exchangers have header pipes
having ends fixed to each other by a patch end.
5. The vehicle heat exchanger of claim 1,
wherein the heat exchangers have ends in directions of piling
15 heat exchanger tubes, respectively and the ends are fixed to each
other by a side plate.
6. The vehicle heat exchanger of claim 1,
wherein the heat exchangers have a common outer fin fixing
20 the heat exchangers to each other.
7. The vehicle heat exchanger of claim 1,
wherein respective one of the neighboring heat exchangers
includes corresponding one of header pipes integral with each other.
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8. A heat exchanger assembly comprising:

a condenser configured to condense a refrigerant by an airflow for an vehicle air conditioner;

a radiator configured to cool an engine coolant by the airflow and having a tank for the engine coolant to circulate therethrough;

5 and

a reservoir fixed to the tank back from the condenser for reserving a refrigerant condensed by the condenser.

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